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## Patent Abstracts of Japan

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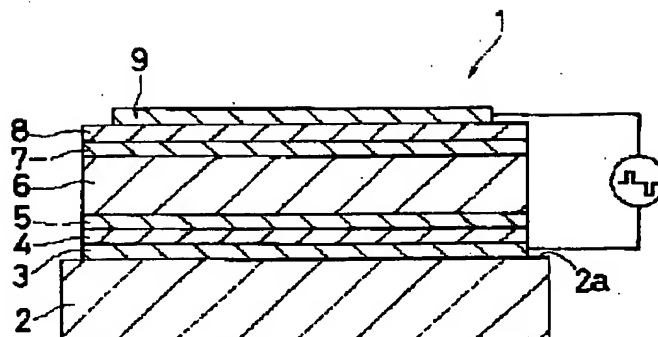
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APPLICANT : SHARP CORP;

INVENTOR : MIKAMI AKIYOSHI;

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TITLE : THIN FILM EL ELEMENT



ABSTRACT : PURPOSE: To widen the memory width and eliminate the decrease of the memory width due to the accumulated driving time.

CONSTITUTION: A thin film EL element 1 is composed by layering a transparent electrode 3, a first insulating layer 4, a ZnS layer 5, an EL electroluminescent 6, a ZnS layer 7, a second insulating layer 8, and a metal electrode 9 on a light transmissive substrate 2. The total thickness of the ZnS layers 5, 7 is selected within at least 200nm and at most 1500nm, preferably at least 500nm and at most 1500. Consequently, the memory width which is the potential difference between curved lines of correlation of applied voltage and luminance of electroluminescence at the time of raising the applied voltage and of lowering the applied voltage and even if the accumulated driving hours becomes long, the memory width is kept almost the same width as that in the initial state before the accumulated driving.

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